

REMARKS

Applicant respectfully requests that the foregoing amendments be entered prior to examination. An early and favorable action on the merits is respectfully requested.

Respectfully submitted,

Date June 23, 2004

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By

A handwritten signature in black ink, appearing to be 'Glenn Law', is written over a horizontal line. The signature is stylized with loops and a long horizontal stroke at the end.

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ABSTRACT OF THE DISCLOSURE

A user inputs target sequence data ~~(40)~~ that is primary sequence information on a target protein to an interaction site prediction apparatus of this invention. A fragment structure prediction simulation is executed to the target sequence data ~~(40)~~ input to each of fragment structure prediction programs ~~(20a to 20d)~~ for predicting a fragment structure of the protein from the primary sequence information on the protein. Fragment structure prediction results ~~(30a to 30d)~~ of the respective fragment structure prediction programs ~~(20a to 20d)~~ are compared with one another ~~(60)~~. Based on this comparison result, a frustration of a local part of the primary sequence information on the target protein is calculated ~~(70)~~. An interaction site in the target protein is predicted based on the calculated frustration of the local part ~~(80)~~.